

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-268042

(43)Date of publication of application : 25.09.2003

(51)Int.Cl. C08F 36/16  
C07C 69/65  
C08F 8/04  
G02B 1/11  
G02B 6/00

(21)Application number : 2002-068139

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(22)Date of filing : 13.03.2002

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## (54) POLYMERIZABLE COMPOUND AND ITS POLYMER

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide a polymerizable compound and its polymer which is unknown and satisfies requirements for the polymer used in antireflection films, such as a high light transmittance, an adequate glass transition temperature (T<sub>g</sub>), a high melting point, an adequate density, a small surface tension, small water absorption, low gas permeability, sufficient hardness and remarkably high chemical resistance or the like.

SOLUTION: The polymerizable compound is expressed by formula (1) and the polymer of the same satisfies the requirements. In the formula R<sup>1</sup> is H, a 1-20C alkyl group or a 6-10C aromatic group, m is an integer of 1-20, n is an integer of 0-10, p is an integer of 1-41 and q is 0 or 1. An arbitrary -CH<sub>2</sub>- in the alkyl group is optionally substituted to -O-, -COO-, -OCO- or -CH<sub>2</sub>CH<sub>2</sub>-, etc., and arbitrary hydrogen atoms are optionally replaced by a halogen atom.

